

WorkKeys/MEAP/CTE – Michigan Academic Standards Crosswalk

This project was a collaborative effort between the Michigan Department of Labor & Economic Growth (formerly MDCD), Office of Career and Technical Preparation, and identified state level experts, professional organizations, and content area teachers, in response to requests from administrators and educators. Each crosswalk was developed to the Standards level of the Michigan Curriculum Frameworks. For further development, local district CTE programs will need to do benchmark level linkage with their local curriculum.

As we move forward in the educational process to prepare students for their future, we must recognize our responsibility to provide high quality technical and academic education to best prepare these students for their future goals.

Overview:

- This is a tool to assist Local Educational Agencies to develop crosswalks at the benchmark level for specific programs.
- CTE curriculum Standards /unit goals were the basis of the crosswalk
- Local district programs need to do benchmark level linkage with their local curriculum.
- Curriculum Standards support the curriculum, with a broad-based focus.
- WorkKeys crosswalks used national occupational job profile information as the basis of determining performance level expectations.
- For new program application submission starting 2003-2004, crosswalk at the benchmark level will be required.

Template use:

- For local implementation, we recommend that this file be downloaded and saved.
- In the left-hand column, enter the local program area standards.
- Next, review Curriculum Framework Content Standards, and electronically remove those that do not apply.
- Have a team of content experts review all local efforts. For accuracy, the team could include all instructors, curriculum coordinators, and administrators.
- For Benchmark information, local staff should go to the Michigan Department of Education website and review the MI Curriculum Framework document.

Benefits

- Provides linkages to National Occupational Standards for improvement in program delivery
- Will assist “highly qualified” instructional staff in documenting accountability and supporting new national initiatives
- Demonstrate CTE support of the Michigan Curriculum Frameworks and MEAP objectives
- To enable districts with CTE programs to strengthen communication with curriculum directors, superintendents and building administrators.
- Curriculum crosswalk will encourage communications between Career and Technical and academic educators
- Assist locals in establishing support for academic credit granted for Career and Technical Education programs

Plan Dissemination

- On MDCD/OCTP Web site
 - Posted by pathway
 - Link to Agriscience Web site
- State update meetings
- Presentation to Teacher groups
- Presentations to Administrator groups
- Distribution to Teacher Educators
- Feature item in Newsletters, updates to field
- MDE
- Available to Education Institutions

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.0 All students will integrate knowledge, skills, and practices required for careers in food production and services.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.1 All students will analyze career paths within the food production and food services industries.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.2 All students will demonstrate food safety and sanitation procedures.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.3 All students will demonstrate selecting, using, and maintaining food production equipment.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.4 All students will demonstrate planning menu items based on standardized recipes to meet customer needs.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, teach others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.5 All students will demonstrate commercial preparation for all menu categories to produce a variety of food products.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.6 All students will demonstrate implementation of food service management functions.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
8.7 All students will demonstrate the concept of internal and external customer service.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	divergent interests. 9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.0 All students will integrate knowledge, skills, and practice required for careers in hospitality, tourism, and recreation.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, teach others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.1 All students will analyze career paths within the hospitality, tourism, and recreation industries.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.2 All students will demonstrate procedures applied to safety, security, and environmental issues.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.3 All students will apply concepts of service to meet customer service expectations.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.4 All students will demonstrate practices and skills involved in lodging occupations.		Applied Mathematics:		
		3		
		4		
		5		
		6		
		7		
		Applied Technology		
		3		
		4		
		5		
		6		
		Listening and Writing:		
		Listening		
		1		
		2		
		3		
		4		
		5		
		Locating Information		
		3		
		4		
		5		
		6		
		Observation		
		3		
		4		
		5		
		6		
		Reading for Information		
		3		
		4		
		5		
		6		
		7		
		Teamwork		
		3		
		4		
		5		
		6		
			1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.	1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)
			2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.	2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.
			3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.	3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.
			4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.	4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments
			5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.	5. Apply ethical and legal standards in planning, using, and evaluating technology.
			6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.	6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.
			7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.	
			8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.	
			9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies.	

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.5 All students will demonstrate practices and skills for travel related services.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, teach others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p> <p>9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		6 Listening and Writing: Writing 1 2 3 4 5	and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

Personal and Culinary Services
CIP Code 12.9999
CONTENT STANDARDS CROSSWALK

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
10.6 All students will demonstrate management of recreation, leisure, and other programs and events.		<p>Applied Mathematics:</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Applied Technology</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Listening and Writing:</p> <p>Listening</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>Locating Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Observation</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>Reading for Information</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>7</p> <p>Teamwork</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>1. All students will apply basic communication skills (reading, writing, speaking, and listening), apply scientific and social studies concepts, perform mathematical processes, and apply technology in work-related situations.</p> <p>2. All students will acquire, organize, interpret, and evaluate information from career awareness and exploration activities, career assessment, and work-based experiences to identify and to pursue their career goals.</p> <p>3. All student will demonstrate the ability to combine ideas or information in new ways, make connections between seemingly unrelated ideas, and organize and present information in formats such as symbols, pictures, schematics, charts, and graphs.</p> <p>4. All students will make decisions and solve problems by specifying goals, identifying resources and constraints, generating alternatives, considering impact, choosing appropriate alternatives, implementing plans of action and evaluating results.</p> <p>5. All students will display personal qualities such as responsibility, self-management, self-confidence, ethical behavior, and respect for self and others.</p> <p>6. All students will identify organize, plan, and allocate resources (such as time, money, material, and human resources) efficiently and effectively.</p> <p>7. All students will work cooperatively with people of diverse backgrounds and abilities, identify with the group's goals and values, learn to exercise leadership, tech others new skills, serve clients or customers, and will contribute to a group process with ideas, suggestions, and efforts.</p> <p>8. All students will communicate ideas to support a position and negotiate to resolve divergent interests.</p>	<p>1. Use and transfer technological knowledge and skills for life roles (family member, citizen, worker, consumer, lifelong learner)</p> <p>2. Use technologies to input, retrieve, organize manipulate, evaluate, and communicate information.</p> <p>3. Apply appropriate technologies to critical thinking, creative, expression, and decision-making skills.</p> <p>4. Employ a systematic approach to technological solutions by using resources and processes to create, maintain, and improve products, systems, and environments</p> <p>5. Apply ethical and legal standards in planning, using, and evaluating technology.</p> <p>6. Evaluate the societal and environmental impacts of technology and forecast alternative uses and possible consequences to make informed civic, social, and economic decisions.</p>

Program Content Standards	National Standards for Program Area	Work Keys Skills Level	Michigan Career and Employability Skills Standards	Michigan Technology Content Standards
		Listening and Writing: Writing 1 2 3 4 5	9. All students will learn to understand, monitor, and improve complex systems, including social, technical, and mechanical systems, and work with and maintain a variety of technologies. 10. All students will integrate employability skills into behaviors, which prepare one for obtaining, maintaining, advancing, and changing employment.	

References: Some materials were reviewed by industry representatives and abstracted from sets of standards from the following organizations: the Dietary mangers Association, the American Dietics Association the National Restaurant Association- ProStart Program, the American Culinary Federation, the United States Food and Drug Administration, Center for Food Safety and Applied Nutrition, and the Career through Culinary Arts Program